



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

## BIB DATA SHEET

CONFIRMATION NO. 2259

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
10/812,291	03/29/2004 RULE	711	2189	EMS-06601

## APPLICANTS

Jerome J. Cartmell, Natick, MA;  
 Qun Fan, Boston, MA;  
 Steven T. McClure, Northboro, MA;  
 Robert Decrescenzo, Franklin, MA;  
 Haim Kopylovitz, Newton, MA;  
 Eli Shagam, Brookline, MA;

## \*\* CONTINUING DATA \*\*\*\*\*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

\*\* IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\*  
06/08/2004

Foreign Priority claimed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	35 USC 119(a-d) conditions met	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Met after IV Trials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
Verified and Acknowledged	<i>(THANH DUC VO/ Examiner's Signature)</i>				MA	10	20	3

## ADDRESS

MUIRHEAD AND SATURNELLI, LLC  
 200 FRIBERG PARKWAY, SUITE 1001  
 WESTBOROUGH, MA 01581  
 UNITED STATES

## TITLE

Mirrored memory

FILING FEE RECEIVED 770	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees (Filing)
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)
		<input type="checkbox"/> 1.18 Fees (Issue)
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit